



February 15, 1983
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Department of Defense Directive ^sR&E

SUBJECT : DoD Scientific and Technical Information Program

- References:
- (a) DoD Directive 5100.36, "Defense Scientific and Technical Information Program, " October 2, 1981 (hereby canceled)
 - (b) DoD 5025. 1-M, "DoD Directives System Procedures, " April 1981, authorized by DoD Directive 5025.1, "Department of Defense Directives System, " October 16, 1980
 - (c) DoD Instruction 5010.12, "Management of Technical Data, " December 5, 1968
 - (d) through (y), see enclosure 1

A. PURPOSE

This Directive:

1. Replaces reference (a).
2. Defines concepts and assigns responsibilities for the operation and management of the DoD Scientific and Technical Information Program **(STIP)** (enclosure 2).
3. Outlines the mission, responsibilities, and functions of the Defense Technical Information Center **(DTIC)** (enclosure 3).
4. Authorizes, consistent with reference (b), the publication of DoD 3200. 12-R-1, "Research and Technology Work Unit Information System"; DoD 3200. 12-R-2, "Centers for Analysis of Scientific and Technical Information"; DoD 3200. 12-R-3, "Dissemination of DoD Technical Information"; and DoD 3200.12-H-1, "Research and Technology Work Unit Information System Data Input Manual. "

B. APPLICABILITY AND SCOPE

1. This Directive applies to the Office of the Secretary of Defense **(OSD)** , the Organization of the Joint Chiefs of Staff, the Military Departments, and the Defense Agencies (hereafter called "DoD Components").
2. This Directive does not cover DoD programs for the handling of **communications** and display of information relating to the **command** and control of operations and operational forces; the DoD scientific and technical intelligence product ion **community**, products generated

under the DoD scientific and technical intelligence production program, and technical documents containing classified scientific and technical intelligence; the DoD technical data management program (DoD Instruction 5010.12, reference (c)); and signals intelligence and communications security information as defined in **DoD** Directives S-3115.7 and C-5200.5 (references (d) and (e)).

C. DEFINITIONS

The terms used in this Directive are defined in enclosure 4.

D. POLICY

1. The Department of Defense shall pursue a coordinated, comprehensive STIP to ensure that scientific and technical information (**STI**) provides maximum contribution to the advancement of science and technology; permits timely, effective, and efficient conduct and management of DoD research, engineering (**RE**), and studies programs; and eliminates unnecessary duplication of effort and resources by encouraging and expediting the interchange and use of STI. The STIP shall provide for interchange of STI within and among DoD Components and their contractors, federal agencies and their contractors, and the national and international scientific and technical **community**, in accordance with references (d) through (l), enclosure 1.

2. The STIP is a basic and integral part of the Office of the Under Secretary of Defense for Research and Engineering (**OUSDR&E**) function (DoD Directive 5129.1, reference (m)) and is affected by the DoD studies program. As such, it is incumbent upon the managers and performers of **R&E** to use and support the STI services and functions that comprise this program. STI processes are used to facilitate the **communication** and enrich the development and use of technical information during the planning and conduct of RE and studies efforts. Conversely, the performance of these program efforts is not considered complete until the **STI**, including related program management information required under this program, has been documented satisfactorily and provided to the appropriate STI distribution activities.

3. The DTIC is designated to provide a source of STIP services to assist in carrying out STIP policy and administration; to perform technical information support services for the **OUSDR&E** and OSD Principal Staff Assistants; to operate DoD-wide STI systems; to act as a central coordinating point for DoD STI data bases and systems; and to explore and demonstrate new **supporting** technology.

E. RESPONSIBILITIES

1. The Under Secretary of Defense for Research and Engineering shall:

a. Manage the STIP (enclosure 2).

b. Develop, publish, and maintain DoD 3200.12-R-1, DoD 3200.12-R-2, DoD 3200.12-R-3, and DoD 3200.12-M-1, consistent with DoD 5025.1-M (reference (b)).

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2. OSD Principal Staff Assistants shall have oversight and guidance responsibility for their respective areas.

3. The Director, Defense Logistics Agency (DLA), shall have operational control of the DTIC (enclosure 3).

4. Heads of DoD Components shall perform the functions outlined in enclosure 2.

F. EFFECTIVE DATE AND IMPLEMENTATION

This Directive is effective immediately. Forward one copy of implementing documents to the Under Secretary of Defense for Research and Engineering within 120 days.


PAUL THAYER
Deputy Secretary of Defense

Enclosures - 4

1. References
2. DoD Scientific and Technical Information Program
3. Defense Technical Information Center
4. Definitions

REFERENCES, continued

- (d) DoD Directive S-3115.7, "Signals Intelligence (**SIGINT**) (U)," January 25, 1973
- (e) DoD Directive C-5200.5, "**Communications** Security (**COMSEC**) (U)," October 6, 1981
- (f) DoD Directive 5200.20, "Distribution Statements on Technical Documents," September 24, 1970
- (g)** DoD 5200.1-R, "Information Security Program Regulation," August 1982, authorized by DoD Directive 5200.1, June 7, 1982
- (h) DoD Directive 5400.7, "DoD Freedom of Information Act Program," March 24, 1980
- (i) DoD 5400.7-R, "DoD Freedom of Information Act Program," December 1980, authorized by DoD Directive 5400.7, March 24, 1980
- (j)** DoD Directive 5400.11, "Department of Defense Privacy Program," June 9, 1982
- (k) DoD Directive 5122.5, "Assistant Secretary of Defense (Public Affairs)," June 15, 1982
- (l) DoD Directive 5230.9, "Clearance of DoD Information for Public Release," April 2, 1982
- (m) DoD Directive 5129.1, "Under **Secretary** of Defense for Research and Engineering," November 29, 1978
- (n) DoD Directive 5000.11, "Data Elements and Data Codes Standardization Program," December 7, 1964
- (o) DoD Directive 5000.19, "Policies for the Management and Control of Information Requirements," **March** 12, 1976
- (p) DoD 5000.12-M, "DoD Manual for Standard Data Elements," December 1981, authorized by DoD Instruction 5000.12, "Data Elements and Data Codes Standardization Procedures," April 27, 1965
- (q)** DoD Directive 5230.11, "Disclosure of Classified Military Information to Foreign Governments and International Organizations," **March** 2, 1979
- (r) DoD Instruction 5230.17, "Procedures and Standards for Disclosure of Military Information to Foreign Activities," August 17, 1979
- (s) DoD Directive 5200.12, "Security Sponsorship **and** Procedures for Scientific and Technical Meetings Involving Disclosure of Classified Military Information," June 15, 1979
- (t) DoD Instruction 7720.13, "Research and Technology Work Unit Information System," April **16**, 1968
- (u) DoD Instruction 5100.66, "Establishment of Policy for, and Administration of, Independent Research and Development Programs (**IR&D**)," January 7, 1975
- (v) DoD Directive 5010.22, "DoD Contract Studies Management," March 25, 1982
- (w) DoD Directive 5100.62, "Clearance of Research and Studies with Foreign Affairs Implications," August 19, 1969
- (x) DoD Instruction 5200.21, "Dissemination of DoD Technical Information," September 27, 1979
- (Y) DoD Instruction 5100.45, "Centers for Analysis **of Scientific** and Technical Information," **July** 28, 1964

DoD SCIENTIFIC AND TECHNICAL INFORMATION PROGRAM

A. SCOPE

This enclosure addresses concepts and functional responsibilities for the operation and management of the **STIP**, including the reproduction and dissemination of and access to technical documents; the conduct of technical meetings and symposia; the management of technical libraries, technical information centers, and data systems of technical information; the application of information and decision-support systems to managing **RE** and studies programs; and the conduct of programs to explore and apply advanced techniques and technologies to STI processes.

B. CONCEPT

1. The STIP is operated as a coordinated structure of generally decentralized activities with overall policy direction vested within the **OUSDR&E** in coordination with or participation of the OSD Principal Staff Assistants, or designees.

2. The **DTIC** shall provide centralized operation of specific STIP functions, such as technical document access and dissemination and data base and reference services; serve as a focus for actions required to provide and enhance DoD-wide STI services; and provide direct information system and data base support to the **OUSDR&E** and OSD Principal Staff Assistants in coordinating the overall **STIP**.

3. Maximum use shall be made of existing organizations presently engaged in collecting, processing, and disseminating STI. The activities of each STIP function such as Information Analysis Centers (**IACs**), the **DTIC**, or other specialized STI centers designated by the OSD shall be coordinated to produce a coherent program providing maximum data and resource sharing and effective service to all bona fide users of DoD **STI** services.

4. A principal objective of the **STIP** is to improve both the scope and effectiveness of collecting, processing, disseminating, and applying STI. The program shall apply the latest available technologies and provide for maximum participation and compatibility among the information programs of disparate DoD Components, other federal agencies, and the private sector. In the collection of **STI**, standard data elements should be used in accordance with DoD Directive 5000.11 (reference (n)), whenever applicable.

5. Effective coordination and liaison are necessary among the STIP and those information programs involving technical intelligence, information security management, foreign disclosure activities, technical data management, manpower, logistic, and acquisitions systems to ensure maximum compatibility, interchange of information, and avoidance of unnecessary duplication of effort.

6. The overriding priority of the STIP is to ensure timely and effective exchange among DoD **RE** and studies performers and managers of all **STI** generated by or relevant to the pursuit of DoD **R&E** programs. Because of the nature of defense programs, the publication and reporting of such information frequently requires security safeguards or specific limitations on **access** or distribution. Requests for records under the Freedom of Information Act shall be processed in accordance with DoD Directive 5400.7 (reference (h)). For example, transfer of

classified or proprietary information (with the consent of the source) would not be effective without safeguards to inhibit improper disclosure. Such protection is an acceptable cost for **being** able to transfer or share the information freely among certified federal and civilian research and development **(R&D) communities**. In addition, STIP processes shall support and incorporate DoD policy to prevent the unrestricted export of militarily critical technology.

7. Every effort shall be made, within the limits of national security requirements, to prepare technical documents and other types of defense STI in an unclassified form and, in accordance with established clearance procedures, to provide such information for public use through appropriate federal agencies. Such use of unclassified STI or of unclassified versions of defense STI shall expedite information transfer both within the Department of Defense and to the national scientific and technical **community**.

8. All policies and procedures governing the dissemination to the public of information within this program shall be subject to the approval of the Assistant Secretary of Defense (Public Affairs) **(ASD(PA))** under authority of **DoD** Directives 5122.5 and 5230.9 (references (k) and (l)).

C. FUNCTIONAL RESPONSIBILITIES

1. The Under Secretary of Defense for Research and Engineering, in coordination with or participation of the OSD Principal Staff Assistants, shall be responsible for overall policy direction and coordination, and shall:

a. Exercise overall supervision, coordination, and review of the **STIP**.

b. Maintain, through the operation of the **DTIC**, a central activity to perform and enhance DoD STI services. In discharging this responsibility, the **USDR&E** shall provide policy direction and guidance through the **DLA** for **DTIC** programs and ensure that the **DTIC's** management and services are responsive to the needs of the defense **R&E** community.

c. Maintain a continuing program analysis of the STIP and identify the character of work and the amount of resources required and programed. In discharging this responsibility, the **USDR&E** shall prepare annually a Five-Year Program Plan and review the budget program, including that portion administered and reported by the separate DoD Components.

d. **Maintain** a systematic survey of the problems and needs of STIP users and assess the effectiveness of the STIP and its component functions in meeting these needs. In discharging this responsibility, the **USDR&E** shall establish objectives, priorities, and policy for the STIP and its principal components.

e. Ensure effective assignment and management of the DoD-sponsored IACS to provide specialized STI for DoD and other users. In discharging this responsibility, the **USDR&E** shall review and coordinate the functions of IACS and their establishment, consolidation, or disestablishment to ensure effective and nonduplicative coverage of technical areas essential to the mission of the Department of Defense.

f. Provide guidance to the operations and programs of DoD-related technical libraries or information centers to ensure their ability to have access to acquire, share, and provide STI and documents needed in support of the programs.

g. Direct development of DoD-wide STI data bases (such as manpower and training research information systems), as needed, to support **R&E** programs, and as requested by OSD Principal Staff Assistants, or designees. Data bases shall be developed in accordance with DoD Directive 5000.19 (reference (o)), using existing data elements from DoD 5000.12-M (reference (p)), where applicable. New data elements shall be registered with the Office of the Assistant Secretary of Defense (Comptroller) (**OASD(C)**) in accordance with DoD Directive 5000.11 (reference (n)).

h. Encourage use of and announce technical symposia and meetings related to **RE** and studies matters and provide for periodic **announcement** to the DoD Components of such scheduled events.

i. Provide policy and guidance for the operation and management of defense industry information and DoD technology transfer programs.

j. Ensure continued liaison and coordination among the Department of Defense and federal, national, and international organizations concerning the interchange of STI and the establishment of standards as needed for all forms of STI.

k. Ensure the conduct and coordination of efforts within the STIP is directed toward the development of processes, techniques, and equipment leading to improved STI services, systems, and programs.

l. Provide analyses to identify categories of STI that must be withheld from public release consistent with DoD Directive 5400.7 and DoD 5400.7-R (references (h) and (i)), to protect national interests and yet ensure their availability and transfer within the Department of Defense. These analyses shall provide the basis for recommendations to the **ASD(PA)** concerning public release procedures peculiar to each category. Such analysis also shall identify areas of defense-related technology in which the export of military-critical technical information must be restricted.

m. Provide coordination and liaison with the Defense Intelligence Agency (**DIA**) and other federal intelligence activities to effect transmittal of relevant information and translations derived from technical intelligence activities to the **DTIC** and appropriate IACS, in accordance with current dissemination and release procedures.

n. Provide coordination and liaison with the Deputy Under Secretary of Defense for Policy (**DUSD(P)**) for security classification management of STI (DoD 5200.1-R, reference (g)).

o. Provide coordination and liaison with the **DUSD(P)** for national disclosure policy matters and for disclosure of **STI** to friendly foreign nations under cooperative exchange agreements (DoD Directive 5230.11 and DoD Instruction 5230.17, references (q) and (r)).

2. The Heads of DoD Components shall:

a. Designate a senior-level STI director or manager at the **Military** Department or Defense Agency staff level who shall represent and manage their **STI** programs and serve as a single, authoritative point of contact for STI matters.

b. Continually review their needs for STI and make proposals to the **OUSDR&E** for the initiation of new or major revisions to STI efforts or **activities**.

c. Establish, operate, and administer those STI functions and activities required for the conduct of their missions and such other information activities required to serve the Department of Defense, national **R&D** needs, or as may be assigned by the **OUSDR&E**.

d. Provide programing, budgeting, funding, accounting, reporting, and other support for their **STI** activities, in accordance with established procedures, including DoD Directive 5000.19 (reference (o)).

e. Maintain a current review and inventory of STI functions and activities under their administrative control. In discharging this responsibility, they shall maintain planning on a 5-year program basis for these activities.

f. Encourage the use and sponsorship of technical symposia and meetings and of participation in the symposia and meetings by DoD scientists, engineers, and managers as an effective mechanism for STI transfer and exchange. In discharging this responsibility, they shall report regularly to the **OUSDR&E** pertinent data about each planned technical symposium or meeting. Security procedures are defined in **DoD** Directive 5200.12 (reference (s)).

g. Execute technology transfer programs and projects within **OUSDR&E** guidelines and assign single points of contact to coordinate their technology transfer programs.

h. Ensure that all significant scientific or technological observations, findings, recommendations, and results derived from DoD endeavors, including those generated under contracts or grants that are pertinent to the DoD mission, contribute to the DoD, or national scientific or technological base, are recorded as technical documents. Internal and contractual procedures shall ensure that copies of such documents are made available to the DoD **R&E community**, including supporting technical libraries, **the DTIC**, and appropriate **IACs**, and, within established security and other limitation control, and consistent with DoD Directive 5400.7 (reference (h)), to the civilian scientific and technical **community**. Such documentation shall be prepared and distributed without undue delay and according to established standards for document format, distribution, security marking, and reproducibility, as specified in appropriate DoD issuances or STIP procedural guidance. Alternatively, if physical control and secondary distribution of a technical document by an STI function, such as the **DTIC** or an **IAC** external to the authoring or sponsoring activity, is not appropriate, a bibliographic description is required to report the nature and existence of the document.

i. Operate and support activities for the input of data to centralized DoD data bases of bibliographic and **R&E** program-related information, and be responsible for the accuracy and currency of data base content and reporting, in accordance with data element standards, authorities, and input procedures established by the DoD Component responsible for operation of the data base, and input procedures established by the MD(C).

j. Within security and distribution limitations, as prescribed in DoD Directive 5200.20 and DoD 5200.1-R (references (f) and (g)), necessary to ensure adequate **intra-DoD** STI exchange, pursue a policy to ensure that **STI**, created within activities under their control, is provided for public use through appropriate federal agencies, according to approved DoD clearance procedures (DoD Directives 5122.5, 5230.9, 5230.11, DoD Instruction 5230.17, and DoD Directive 5400.7, references (k), (l), **(q), (r), and (h)**). **To** facilitate this exchange, each DoD Component shall provide technical documents and other information relevant to **R&E** programs in an unclassified manner to the **maximum** extent possible within the above policies and guidelines.

DEFENSE TECHNICAL INFORMATION CENTER

A. MISSION

Under the operational control of the Director, DLA, and in accordance with **OUSDR&E** policy guidance, the **DTIC** shall:

1. Provide centralized operation of DoD services for the acquisition, storage, retrieval, and dissemination of STI to support DoD research, **development**, and engineering and studies programs.
2. Serve as a focus "for specific actions required by the **OUSDR&E** to meet technical information needs of the **STIP**."
3. Develop and provide specialized information system support approved or directed by the **OUSDR&E**.
4. Work directly with the **OUSDR&E** to formulate objectives and programs concerning STI transfer among the Military Departments, Defense Agencies, and other U.S. Government agencies.
5. Participate with the OSD and federal agencies in formulating DoD and federal policies relating to STI transfer.
6. Function as a central activity within the Department of Defense for applying advanced techniques and technology to DoD STI systems and for developing improvements in services and STI transfer effectiveness in support of STIP objectives.
7. Represent the Department of Defense at STI meetings, conferences, or symposia to support mission objectives.
8. Provide liaison with other DoD and government STI organizations (such as the Defense Logistics and Studies Information Exchange (**DLSIE**) and the National Aeronautics and Space Administration.)

B. FUNCTIONS

The Administrator, **DTIC**, is responsible for providing or executing the following functions in support of the **STIP**:

1. Centralized DoD Document Services. These include all services related to maintaining a repository of technical documents resulting from or pertinent to DoD RE and studies efforts, providing for their dissemination, and the following functions:
 - a. Acquiring technical documents including documents from outside the Department of Defense, domestic or foreign, that are considered pertinent to RE and studies efforts and not readily available to these efforts through other sources.
 - b. Providing prompt and effective document awareness services and publications reflecting new acquisitions in the document collection.

c. Storing in reproducible form copies of acquired DoD-relevant technical documents.

d. Maintaining a system **of** document acquisition, storage, announcement, reproduction, and distribution methods in accordance with DoD security **policies**, standards, criteria, and procedures for classified, limited distribution, and company proprietary "information" entrusted to the Department of Defense by agreement.

e. Providing timely response to requests from authorized users for technical reports and other document services. Release of documents in response to requests under the Freedom of Information Act shall be governed by DoD Directive 5400.7 (reference (h)).

f. Ensuring the adequacy of and preparing necessary instructions, standards, regulations, and guidelines for preparing, distributing, storing, and gaining access to technical documents describing **R&E** efforts and the entry of bibliographic descriptions into DoD STI data bases.

2. Centralized DoD Data Base Services

a. These involve the application of information, computer, and **telecommunications** technology to provide seekers of defense STI convenient access to stored files of STI, relevant to managing and conducting R&E programs. For such data bases, the DTIC shall provide:

(1) Data base input systems and procedures to acquire and enter data into the data base store and provide **technical** support **for** remote input to the data base store (either on-line or in machine-readable form). Data base input systems shall use existing standard data elements from DoD 5000.12-M (reference (p)), when **applicable**.

(2) Data base output systems and procedures to support the **pro-**cesses involved in formulating and executing on-line search and retrieval and control of data base output products.

(3) Response to demand requests received by mail and telephone for data base products and processing of subscription or recurring requests for data base products.

b. The DTIC shall establish and operate a centralized data base of bibliographic citations of technical documents resulting from or relevant to the defense **R&E** program. This includes support to **DTIC** document services functions, such as:

(1) Document announcement, current awareness, selective dissemination of information products, or bibliographic searches.

(2) Bibliographic data base support, such as shared cataloging and related services to technical libraries, **IAC**, and other information **pro-**cessors operated by or in support of defense **R&E** programs.

c. The DTIC shall maintain and operate centralized data bases of **summary** technical and management-related information describing the content and scope

of **R&E** programs, in accordance with DoD Instructions 7720.13 (to be replaced by DoD 3200.12-R-1) and 5100.66, DoD Directives 5000.19, 5010.22, and 5100.62 (references (t), (u), (o), (v), and (w), respectively), DoD **3200.12-M-1**, and other data specified or approved by the **OUSDR&E**, when needed for **R&E** program management.

d. The **DTIC** shall provide for maintenance of a central referral data base of DoD and relevant federal STI activities and shall cooperate with other federal agencies in maintaining such referral services.

e. The **DTIC** shall provide the capability and capacity as approved by the **OUSDR&E** to accommodate new or expanded STI data bases and extended levels of data base access, system interconnection, and the establishment of networks.

f. The **DTIC** shall ensure the adequacy of and prepare instructions, regulations, and guidelines describing responsibilities and procedures for input to, maintenance of, access to, and retrieval from DoD **STI** data bases.

g. The **DTIC** shall provide OSD functional managers with data and document services needed to support their programs in **RE** and studies areas.

3. DoD Information Analysis Center (IAC) Support. The **DTIC** shall:

a. Provide necessary support and services related to improved coordination, **planning**, and integration of DoD-funded **IACs**. The **DTIC** shall effect and support a comprehensive program within the IAC function of the STIP to improve the visibility, effectiveness, and use of the IACS in support of DoD and federal scientific and technical programs.

b. Provide oversight through the contracting officer for designated contractor-operated DoD **IACs**.

c. Develop and provide systems and services to assist or supplement IAC operations or programs to effect and promote resource sharing, joint approaches to common objectives and problems, and information exchange among the **IACs**, **DTIC**, and other components of the **STIP**.

4. DoD Technical Library Support. The **DTIC** shall provide a focus for developing and coordinating programs among, and providing centralized technical support to, DoD technical libraries. To help improve their effectiveness and capabilities, the **DTIC** shall provide assistance in the following areas:

a. Analyze and explore applications of automation to library operations and other services.

b. Cooperative efforts among libraries including the establishment of networks and resource sharing.

c. Integration of technical libraries, **IACs**, the **DTIC**, and other components of the STIP in a coordinated **STI** network.

5. Investigation, Experimentation, and Application of Advanced Information Science and Technology. The **DTIC** shall identify, develop, and carry out programs to perform and monitor experimentation and study for increasing its internal effectiveness and productivity and for ensuring that the overall STIP is served

by imovative **and** effective information systems that take advantage of new advances in information science and technology. It shall perform studies and experimentation to improve the processes involved in acquiring, using, storing, retrieving, disseminating, and generating STI. In doing so, it shall seek effective ways to employ modem information storage, retrieval, and transmission technology and devices by acquiring and testing the application of existing and promising computer, **telecommunications**, storage, and transmission devices and concepts.

6. Related STI Support Services. The DTIC shall:

a. Develop and apply techniques to assess STI needs, usage, and trends to propose new **STI** services or programs. The DTIC shall develop and propose programs to coordinate the **STI** needs, problems, and activities of all **STIP participants**.

b. Develop and operate promotional and training programs to increase the awareness and use of STI services among **R&D** managers, scientists, and engineers throughout the current and potential **DTIC** user community to increase their efficiency and that of the information practitioners in the use of STI tools and resources and to increase the number and activity of **DTIC** users.

c. Provide a central DoD authority and establish a central directory for the data elements and processes used to record, gain access to, and exchange STI or documents and prepare instructions containing specific criteria and guidance for the content and format of data elements required by these STI data bases, and register data elements with the **ASD(C)** through the Defense Materiel and Standards Specification Office. The DTIC shall exercise this authority in cooperation and coordination with the DoD Components and shall ensure compatibility with the STI practices of other federal agencies.

d. Explore and acquire techniques and arrangements to facilitate access to STI data bases, on-line services, or networks relevant to the conduct or management of **R&E** programs. These may include data, data bases, or systems from other federal, commercial, or foreign sources that may not otherwise be readily accessible to **DTIC** users, provided the **DTIC** does not unnecessarily or unfairly compete with or detract from services available from the private sector.

e. Represent the Department of Defense in efforts of federal and professional STI activities involving the compatibility or standardization of STI data and processes pertinent to improved information transfer.

f. As directed by the **OUSDR&E**, provide such centralized services as acquisition, evaluation, or implementation of common STI resources, systems, or devices and act as focal point in such endeavors as arranging or instituting new STI programs, procedures, or exchange agreements.

g. Operate and maintain procedures whereby U.S. Government departments and agencies and their contractors, subcontractors, grantees, and **DoD potential** contractors may become certified and registered for access to controlled **STI** available from DoD information dissemination activities (DoD Instruction 5200.21, reference (x) (to be replaced by **DoD** 3200.12-R-3)).

DEFINITIONS

1. Data Base. An extensive and comprehensive set of records collected and organized in a meaningful reamer to serve a particular purpose.
2. Defense Industry Information. Technical planning, requirements, and acquisition information provided to industry through various programs to enable industry to meet defense weapons and support systems needs. The programs include DoD **IACs**, potential contractor programs of DoD Components, advanced planning briefings for industry, technical meetings on special topics, and similar services initiated by the **OUSDR&E** and other DoD Components.
3. Document. Any recorded information regardless of its medium, physical form, or characteristics.
 - a. Technical Document. Any document that presents STI.
 - b. Technical Report. Any preliminary or final technical document prepared to record, document, or share results obtained from, or **recommendations** made on, or relating to, DoD-sponsored or cosponsored scientific and technical work.
4. DoD Information Analysis Center (IAC). An activity that acquires, digests, analyzes, evaluates, synthesizes, stores, publishes, and provides advisory and other user services concerning available worldwide scientific and technical information and engineering data in a clearly defined, specialized field or subject area of significant DoD interest or concern. IACS are distinguished from technical information centers and libraries whose functions are primarily concerned with providing reference or access to the documents themselves rather than the STI contained in the documents (DoD Instruction 5100.45, reference (y) (to be replaced **by DoD 3200.12-R-2**)).
5. DoD Technology Transfer. Programs to promote military-civilian technology transfer and cooperative development on a systematic basis, including appropriate transfer of technology developed by the Department of Defense to the U.S. civilian sector where such technology can be utilized profitably, and identification of new technologies of both military and civilian interest.
6. OSD Principal Staff Assistants. The Under Secretaries of Defense; the Assistant Secretaries of Defense; the General Counsel of the Department of Defense; the Inspector General of the Department of Defense; the Assistants to the Secretary of Defense; and the Director, Program Analysis and Evaluation.
7. Scientific and Technical Information (STI). Communicable knowledge or information resulting from or pertaining to the conduct and management of **R&E** efforts. STI is used by administrators, managers, scientists, and engineers engaged in scientific and technological efforts and is the basic intellectual resource for and result of such effort.
8. Scientific and Technical Information Program (STIP). A coordinated structure of DoD **STI** functions operated or administered by the Military Departments and Defense Agencies under the overall policy direction and control of the **USDR&E**. The objective of the STIP is to ensure that STI generated by **R&E**

programs can provide maximum contribution to the advancement of science and technology; permit timely, effective, and efficient conduct of the DoD **R&E** programs; provide information support to the management of R&E-related programs; and eliminate unnecessary duplication of effort and resources by encouraging and expediting the interchange and use of STI.

9. Secondary Distribution. Distribution of or access to a document, usually based on a request to a document repository or information center, provided subsequent to an initial distribution performed or controlled by the authoring or sponsoring DoD Component.

10. STI Functions. The processes involved in recording and transferring STI from its generator or source to the ultimate user or beneficiary of new knowledge. They embrace a broad spectrum of activity from generation, publication, distribution, and storage to access, assimilation, and use of STI and documents. STI functions include, but are not limited to:

a. The preparation, reproduction, and distribution of STI and **documents**.

b. The provision of document services, including archival functions, repositories, **announcements**, and various means of document dissemination, access, or transmission.

c. The operation of technical information centers. data centers. Information **Analysis** Centers, technical libraries, and other similar information activities that collect, store, process, and provide associated document, data, or information **services** in direct support to information seekers or that act as intermediaries between the user and other STI functions.

d. The implementation and operation of data base services, including numeric, bibliographic, and management information data bases, data base processes and products, and the application of electronic and **telecommunications** techniques for data entry, storage, access, search, and retrieval.

e. The provision of information and decision-support systems and services for use in management of **R&E** programs.

f. The operation of directory or reference services to identify and locate available STI and **R&E** capabilities and resources.

g. The conduct and support of technical meetings and symposia.

h. The provision of information exchange programs to facilitate transfer of technological innovation and know-how from DoD **R&E** programs to civilian purposes.

i. The operation of programs to effect exchange of defense technical planning, requirement, and acquisition information with industrial or other organizations capable of engaging in defense programs.

j. The study of and **experimentation** with new methods and techniques in handling STI and to facilitate the **communication** of new ideas or knowledge among scientists and engineers.

k. Security aspects of information management to include systematic review, maintenance and notification, and changing distribution limitation statements including public release.

1. The development and implementation of mechanisms and techniques to foster the awareness and use of STI resources, products, and services.

11. Technical Library. An activity that acquires, organizes, houses, retrieves, and disseminates information and information materials; and performs reference and research in direct support of a host activity's **R&E** mission. It also may provide all or any one of the following services: analysis, current awareness, literature searching, translations, and referral. A technical library also is called a technical information center.

12. Technical Symposia and Meetings. Formally scheduled assemblies for the presentation and discussion of topics pertinent to **R&E** programs.